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Applicant(s)/Patent under Reexamination YAMAZAKI ET AL.

10/659,585

Art Unit

Examiner

Heather A. Doty

2813

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|          |                            |              |              |  |  |          |          | ,        |  |                 |  |  |
|----------|----------------------------|--------------|--------------|--|--|----------|----------|----------|--|-----------------|--|--|
|          |                            | <del>,</del> |              |  |  |          |          |          |  |                 |  |  |
| Cla      | im                         | Date         |              |  |  |          |          |          |  |                 |  |  |
|          | <u> </u>                   |              |              |  |  |          |          |          |  |                 |  |  |
| Final    | Original                   | 6/8/05       |              |  |  |          |          | ļ        |  |                 |  |  |
| i        | ij                         | /8/          |              |  |  |          |          | l        |  |                 |  |  |
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|          |                            | +            | -            | -  |  |          |          |          |  | $\dashv$        |  |  |
|          |                            | -            | _            | -  |  |          | _        | -        | _  | -               |  |  |
| <u> </u> | 2                          | +            |              | _  |  |          | _        | _        |  | $\blacksquare$  |  |  |
|          | 3                          | +            |              |  |  |          |          |          |  | _               |  |  |
|          | 4                          | +            |              | _  |  |          |          |          |  |                 |  |  |
| L        | 1<br>2<br>3<br>4<br>5<br>6 | +            |              |  |  |          |          |          |  |                 |  |  |
|          | 6                          | +            |              |  |  |          |          |          |  |                 |  |  |
|          | 7                          | +            |              |  |  |          |          |          |  |                 |  |  |
|          | 8                          | +            |              |  |  |          |          |          |  |                 |  |  |
|          | 9                          | +            |              |  |  |          |          |          |  |                 |  |  |
|          | 10                         | +            |              |  |  | П        |          |          | П  | $\vdash$        |  |  |
|          | 11                         | +            | $\vdash$     |  |  | _        | -        |          | $\vdash$   | $\vdash$        |  |  |
| -        | 12                         | +            | $\vdash$     | $\vdash$   |  | ┝        | H        |          |  | $\vdash$        |  |  |
|          | 12                         | +            | $\vdash$     | $\vdash$   |  | Ь        | $\vdash$ |          |  | $\vdash$        |  |  |
| -        | 14                         | +            | <u> </u>     | $\vdash$   | _  | -        | -        | _        | -  | $\vdash$        |  |  |
|          | 13<br>14<br>15             | ├            | $\vdash$     | $\vdash$   | -  | <u> </u> | -        |          | $\vdash$   | $\dashv$        |  |  |
|          | 15                         | ÷            | <u> </u>     | Ш  | -  | $\vdash$ | <u> </u> | _        | -  | $\vdash$        |  |  |
| <u> </u> | 16                         | +            | _            |  |  | <u> </u> |          | <u> </u> | <u> </u>   | $\square$       |  |  |
| <u></u>  | 17                         | +            | _            |  |  | <u> </u> | <u> </u> |          | <u> </u>   | Ш               |  |  |
| L        | 18                         |              |              |  |  | <u> </u> |          |          |  |                 |  |  |
|          | 19                         | ١            |              |  |  |          |          |          |  |                 |  |  |
|          | 20                         |              |              |  |  |          |          |          |  |                 |  |  |
|          | 21                         |              |              |  |  |          |          |          |  |                 |  |  |
|          | 22                         |              |              |  |  |          |          |          |  |                 |  |  |
|          | 21<br>22<br>23             | T .          |              |  |  |          |          |          |  |                 |  |  |
|          | 24                         |              |              |  |  |          |          |          |  | П               |  |  |
|          | 24<br>25                   | lТ           | $\vdash$     | _  | _  |          |          |          |  | Н               |  |  |
|          | 26                         | Т            | $\vdash$     |  | _  |          |          |          |  | Н               |  |  |
|          | 27                         |              | $\vdash$     | _  | _  | _        |          |          |  | Н               |  |  |
|          | 28                         | ┝            | -            | <del>                                     </del>   | $\vdash$   | -        |          |          | -  | Н               |  |  |
|          | 29                         | $\vdash$     | $\vdash$     | ┢  |  | -        |          |          | $\vdash$   | Н               |  |  |
|          | 29                         | ├            | -            | ⊢  | ⊢  | <u> </u> |          |          | $\vdash$   | $\vdash$        |  |  |
| <u> </u> | 30                         | ├            | <del> </del> | $\vdash$   | ├  | $\vdash$ |          | <u> </u> | $\vdash$   | $\vdash$        |  |  |
| <u> </u> | 31                         | ــــ         | <del> </del> | <u> </u>   | <u> </u>   | $\vdash$ |          | $\vdash$ | $\vdash$   | Щ               |  |  |
|          | 32                         | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u> | L        | <u> </u> | <u> </u>   | Щ               |  |  |
| <u></u>  | 33                         | oxdot        | <u> </u>     | $oxed{oxed}$   |  |          |          | L.       | <u> </u>   | Щ               |  |  |
|          | 34                         | <u> </u>     | <u> </u>     | $ldsymbol{ld}}}}}}$ | $ldsymbol{le}}}}}}}}$ |          |          |          | <u> </u>   | Ш               |  |  |
|          | 35                         |              |              | $oxed{\Box}$   |  | _        |          |          | _  | Ш               |  |  |
|          | 36                         | 匚            |              |  |  |          |          |          | 匚  | $\bigsqcup$     |  |  |
|          | 37                         |              |              |  | L  |          |          |          |  |                 |  |  |
|          | 38                         |              |              |  |  |          |          |          |  |                 |  |  |
|          | 39                         | Γ            | _            |  |  |          |          |          | Π  |                 |  |  |
|          | 40                         | Π            |              |  |  |          |          |          |  |                 |  |  |
|          | 41                         |              |              |  |  |          |          |          |  | М               |  |  |
|          | 42                         | $\vdash$     | $\vdash$     | $\vdash$   | _  |          |          |          |  | П               |  |  |
|          | 43                         | $\vdash$     | _            | _  | _  | $\vdash$ |          |          | $\vdash$   | H               |  |  |
| <b>—</b> | 44                         | $\vdash$     | -            | $\vdash$   | $\vdash$   | $\vdash$ |          | <u> </u> | _  | $\vdash$        |  |  |
|          | 45                         |              |              | <del> </del> -   | -  | -        | -        | -        | <del>                                     </del> | $\vdash$        |  |  |
| <b>—</b> | 46                         |              | -            | -  | <del> </del> —   | ├-       | -        |          |  | $\vdash$        |  |  |
| <u> </u> | 47                         | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ |          | $\vdash$ | -  | $\vdash \vdash$ |  |  |
| -        | 48                         | $\vdash$     | -            | ├—   | <del> </del> —   | $\vdash$ | -        | ├-       | ├  | $\vdash \vdash$ |  |  |
| <u> </u> |                            | -            | <del> </del> | ├  | $\vdash$   | $\vdash$ | -        | $\vdash$ | ├-   | Н               |  |  |
| <u> </u> | 49                         | -            | _            | <u> </u>   | <u> </u>   | <u> </u> | $\vdash$ | <u> </u> | $\vdash$   | Щ               |  |  |
|          | 1.50                       | 1            | ı            | ı  | i  | 1        |          |          |  | 1 1             |  |  |

| Clair          |                     |          |              |              |                | ) ot           |  |           |   |  | ſ   | Cla   | im       |          |           |   | _        | \ata     |              |          |          | _        |
|----------------|---------------------|----------|--------------|--------------|----------------|----------------|--|-----------|---|--|-----|-------|----------|----------|-----------|---|----------|----------|--------------|----------|----------|----------|
| Clair          | 11                  | —        |              |              |                | Date           | _  |           |   |  |     | Cla   | 11111    | $\vdash$ |           |   | -        | ate      |              | -        |          | -        |
| Final          | Original            | 6/8/05   |              |              |                |                |  |           |   |  |     | Final | Original |          |           |   |          |          |              |          |          |          |
|                | 1                   | +        |              |              |                |                |  |           |   |  |     |       | 51       |          |           |   |          |          |              |          |          |          |
|                | 2                   | +        |              |              |                |                |  |           |   |  |     |       | 52       | П        | T         |   |          |          |              |          |          |          |
|                | 3                   | +        |              |              |                |                |  |           |   |  |     |       | 53       |          |           |   |          |          |              |          |          |          |
|                | 4                   | +        |              |              |                |                |  |           |   |  |     |       | 54       |          |           |   |          |          |              |          |          |          |
|                | 5                   | +        |              |              |                |                |  |           |   |  |     |       | 55       | П        |           |   |          |          |              |          |          |          |
|                | 6                   | +        |              | _            |                |                |  |           |   |  |     |       | 56       | П        |           |   |          |          |              |          |          |          |
|                | 7                   | +        |              |              |                |                |  |           |   |  |     |       | 57       |          |           |   |          |          |              |          |          | $\neg$   |
|                | 8                   | +        |              |              |                | П              |  |           |   |  | ĺÌ  |       | 58       |          |           |   |          |          |              |          |          |          |
|                | 9                   | +        |              |              |                |                |  |           |   |  |     |       | 59       |          |           |   |          |          |              |          |          |          |
|                | 10                  | +        |              |              |                |                |  |           |   |  |     |       | 60       |          |           |   |          |          |              |          |          |          |
|                | 11                  | +        |              |              |                |                |  |           |   | Г  |     |       | 61       |          |           |   |          |          |              |          |          |          |
|                | 12                  | +        |              |              |                |                |  |           |   |  |     |       | 62       | П        |           |   |          |          |              |          |          |          |
|                | 13                  | +        |              |              |                |                |  |           |   |  |     |       | 63       |          |           |   |          |          |              |          |          |          |
|                | 14                  | +        |              |              |                |                |  |           |   |  |     |       | 64       | П        |           |   |          |          |              |          |          |          |
|                | 15                  | ÷        |              |              |                |                |  |           |   | ,  |     |       | 65       |          |           |   |          |          |              |          |          |          |
|                | 16                  | +        |              |              |                |                |  |           |   |  |     |       | 66       |          |           |   |          |          |              |          |          |          |
|                | 17                  | +        |              |              |                |                |  |           |   |  |     |       | 67       |          |           |   |          |          |              |          |          |          |
|                | 18                  |          |              |              |                |                |  |           |   |  |     |       | 68       |          |           |   |          |          |              |          |          |          |
|                | 19                  |          |              |              |                |                |  |           |   |  |     |       | 69       |          |           |   |          |          |              |          |          |          |
|                | 20                  |          |              |              |                |                |  |           |   |  | ] [ |       | 70       |          |           |   |          |          |              |          |          |          |
|                | 21                  |          |              |              |                |                |  |           |   |  |     |       | 71       |          |           |   |          |          |              |          |          |          |
|                | 22                  |          |              |              |                |                |  |           |   |  |     |       | 72       |          |           |   |          |          |              |          |          |          |
|                | 23                  |          |              |              |                |                |  |           |   |  |     |       | 73       |          |           |   |          |          |              |          |          |          |
|                | 24                  |          |              |              |                |                |  |           |   |  | ] [ |       | 74       |          |           |   |          |          |              |          |          |          |
|                | 25                  |          |              |              |                |                |  |           |   |  |     |       | 75       |          |           |   |          |          |              |          |          |          |
|                | 26                  |          |              |              |                |                |  |           |   |  |     |       | 76       |          |           |   |          |          |              |          |          |          |
|                | 27                  |          | _            |              |                |                |  |           |   | <u> </u>   |     |       | 77       |          |           |   |          |          |              |          |          |          |
| :              | 28                  |          |              |              |                |                |  |           |   | $ldsymbol{ld}}}}}}$ |     |       | 78       | Щ        |           |   |          |          | _            |          | _        |          |
|                | 29                  |          | _            | _            | _              |                |  |           |   | _  |     |       | 79       |          |           |   |          |          |              |          |          |          |
|                | 30_                 |          |              |              | _              |                |  |           | L   | _  |     |       | 80       |          |           |   |          |          |              |          |          |          |
|                | 31                  |          |              | <u> </u>     | <u> </u>       |                | _  |           | $ldsymbol{le}}}}}}$ | L  |     |       | 81       |          |           |   |          |          |              |          | _        |          |
|                | 32_                 |          | _            |              | _              |                |  |           | <u> </u>  | <u> </u>   |     |       | 82       |          |           |   |          |          |              |          |          |          |
| _ _            | 33                  |          |              | L            | <u> </u>       |                |  |           | <u> </u>  | <u> </u>   |     |       | 83       |          |           |   |          |          |              |          |          |          |
|                | 34                  |          | <u> </u>     | _            | <u> </u>       | _              | _  |           | <u> </u>  | _  |     |       | 84       | Щ        |           | _ | _        |          |              | -        |          |          |
|                | 35                  | _        | <u> </u>     | _            |                | _              |  | _         | <u> </u>  | _  |     |       | 85       | Ш        |           |   |          |          |              |          |          |          |
|                | 36                  | <u> </u> | <u> </u>     | <u> </u>     | _              | <del> </del> — | <del> </del>                                     | <u> </u>  | <u> </u>  | <u> </u>   |     |       | 86       | Н        | $\square$ |   |          | <u> </u> |              | <u> </u> |          |          |
| -              | 37                  |          | <u> </u>     | <u> </u>     | ├              | ⊢-             |  | <u> </u>  | <u> </u>  | -  |     |       | 87       | Н        |           |   | _        | _        | <u> </u>     | <u> </u> | <u> </u> |          |
|                | 38                  |          | -            | $\vdash$     | $\vdash$       |                | ₩  | _         | $\vdash$  | <del> </del>   |     |       | 88       | Н        |           |   |          | -        | H            | <u> </u> | <b> </b> |          |
|                | 39                  | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>       | <u> </u>       | <del> </del>                                     | <b></b> . | -   | <del> </del>   |     |       | 89       | $\vdash$ |           |   | <b> </b> | -        | <del> </del> | H        | $\vdash$ |          |
|                | 40                  | _        | <u> </u>     | _            | $\vdash$       | -              | ├  |           | ⊢   |  |     |       | 90       | Н        | _         |   | _        |          |              |          |          |          |
| — <del> </del> | 41<br>42            | -        | <u> </u>     | ├            |                | <b>-</b>       | -  |           | ┡   | ⊢  |     |       | 91<br>92 | Н        | _         |   |          |          | _            | _        | _        |          |
|                | 42                  | $\vdash$ | -            |              | -              | ⊢              | -  | $\vdash$  | ⊢   | ⊢  |     |       | 93       | $\vdash$ |           |   |          |          | -            | -        | -        |          |
|                | 43<br>44            | <u> </u> | -            | ⊢            | $\vdash$       | <del> </del>   | <del>                                     </del> | -         | ├   | ├  |     | -     | 94       | $\vdash$ |           | - | $\vdash$ |          | $\vdash$     | -        | -        | $\vdash$ |
|                | 44<br>45            | $\vdash$ |              | ├-           | -              | -              | ├  | -         | ├-  | -  |     |       | 95       |          | -         |   | -        | -        | -            | -        | -        | -        |
| -+             | 45<br>46            | $\vdash$ | <del> </del> | -            | <del> </del> — | ├─             | -  |           | ├   | $\vdash$   |     |       | 96       |          |           |   | -        | -        | $\vdash$     | $\vdash$ |          | -        |
|                | 40<br>47            | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$       | $\vdash$       | $\vdash$   | $\vdash$  | -   | ⊢  |     |       | 97       | $\vdash$ |           |   | -        |          | $\vdash$     |          | -        | -        |
|                | 47                  | $\vdash$ | <u> </u>     | <del> </del> | $\vdash$       | $\vdash$       |  | $\vdash$  | ├   | $\vdash$   |     |       | 98       |          |           | - | Н        |          | ├            |          |          | $\vdash$ |
| -+             | <del>40</del><br>49 |          | $\vdash$     | <del> </del> | $\vdash$       | $\vdash$       | -  | $\vdash$  | $\vdash$  | $\vdash$   | {   |       | 99       | Н        | -         | - | $\vdash$ | $\vdash$ |              |          |          | $\vdash$ |
|                | 50                  | $\vdash$ | $\vdash$     | $\vdash$     |                | 1              | $\vdash$   | $\vdash$  | $\vdash$  | $\vdash$   |     |       | 100      | H        |           | - |          |          | $\vdash$     | $\vdash$ | $\vdash$ | -        |
|                | <del>,</del> ,      | L        | Ц            | Щ.           |                | Ц              | —  | Щ.        |   | —  | ו נ |       |          |          |           |   |          |          | L            | L        |          |          |

| Cla   | Date                            |          |          |              |          |          |              |          |  |          |
|-------|---------------------------------|----------|----------|--------------|----------|----------|--------------|----------|--|----------|
|       |                                 |          |          |              |          |          |              |          |  | $\Box$   |
| Final | Original                        |          |          |              |          |          |              |          |  |          |
| ίĒ    | rig                             |          |          |              |          |          |              |          |  |          |
|       |                                 |          |          |              |          |          |              |          |  |          |
|       | 101                             |          |          |              |          | П        |              |          |  |          |
|       | 101<br>102                      |          |          |              |          |          |              |          |  | П        |
|       | 103                             |          |          |              |          |          |              |          |  |          |
|       | 104<br>105                      |          |          |              |          |          |              |          |  |          |
|       | 105                             |          |          |              |          |          |              |          |  |          |
|       | 106                             |          |          |              |          |          |              |          |  |          |
|       | 107                             |          |          |              |          | L        |              |          |  |          |
|       | 108                             |          |          |              |          |          |              |          |  |          |
|       | 109                             | oxdot    |          |              |          | _        |              |          |  |          |
|       | 110                             |          | Щ.       | _            | L_       |          | <u> </u>     | Ш        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | Щ        |
|       | 111                             | L_       | _        | _            | <u> </u> | <u> </u> | $oxed{oxed}$ |          |  | Ш        |
|       | 112<br>113                      | $\vdash$ | $\sqcup$ | $\vdash$     |          | $\vdash$ |              | ш        | <u> </u>   | Щ        |
|       | 113                             | <u> </u> | <u> </u> |              | L        | <b> </b> |              |          | <u> </u>   | Щ        |
|       | 114                             |          | <u> </u> | _            | ļ        | <u> </u> | <u> </u>     |          | <u> </u>   | Щ        |
|       | 115<br>116                      | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u>     | igspace  | L  | Ш        |
|       | 116                             | <u> </u> |          |              |          |          |              |          | _  |          |
|       | 117                             | _        | L        | ļ.,          | ļ        | _        | ļ            |          | _  | Ш        |
|       | 118                             | _        |          |              | _        | _        |              |          |  | Ш        |
|       | 119                             |          | _        | <u> </u>     | <u> </u> | _        | _            |          |  | Ш        |
|       | 120<br>121                      | _        | _        | <u> </u>     | _        | <u> </u> | <u> </u>     |          |  | Н        |
|       | 121                             | _        | _        | _            | _        | _        | _            |          | _  | Н        |
|       | 122                             |          | _        | <del> </del> | <u> </u> | ⊢        | _            | _        | _  | Н        |
|       | 123<br>124<br>125<br>126<br>127 | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u>     |          | -  | $\vdash$ |
|       | 124                             | -        | -        | _            | ┝        | ┝        | ⊢            |          | ⊢  | Н        |
|       | 120                             |          | -        | ├-           | -        | -        | -            | -        | -  | $\vdash$ |
|       | 120                             | ⊢        | -        | -            | -        | ⊢        | -            |          | ⊢  | Н        |
|       | 127                             | H        | -        | H            | $\vdash$ | ⊢        | ⊢            | H        | $\vdash$   | Н        |
|       | 128<br>129<br>130               | -        | ├        | ┝            | -        | $\vdash$ | ├            | $\vdash$ | $\vdash$   | Н        |
|       | 130                             |          |          |              | $\vdash$ | $\vdash$ | $\vdash$     |          | $\vdash$   | H        |
|       | 131                             | $\vdash$ |          | $\vdash$     | $\vdash$ | ⊢        | $\vdash$     | $\vdash$ | $\vdash$   | H        |
|       | 131<br>132                      | -        | -        | -            | -        | $\vdash$ | -            |          | ┢  | Н        |
|       | 133                             |          |          | -            | -        |          | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
|       | 134                             | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
| -     | 135                             | -        |          | $\vdash$     | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
|       | 136                             |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
|       | 137                             | $\vdash$ | $\vdash$ | $\vdash$     | ┰        | ╁        | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
|       | 138                             |          | $\vdash$ | $\vdash$     | $\vdash$ |          | $\vdash$     | $\vdash$ | $\vdash$   | Н        |
|       | 139                             | Т        | T        |              | $\vdash$ |          | $\vdash$     |          |  | Н        |
|       | 140                             | $\vdash$ |          |              | _        | $\vdash$ |              |          | <del>                                     </del> | Н        |
|       | 141                             | 1        |          |              | Г        | $\vdash$ |              | $\vdash$ | $\vdash$   | П        |
|       | 142                             | Ť        |          |              | $\vdash$ |          |              |          |  | П        |
|       | 143                             |          | Г        |              | П        | $\Box$   | 1            |          | $\Box$   | П        |
|       | 144                             |          | Γ        |              | Г        |          |              |          |  | П        |
|       | 145                             |          |          |              |          |          |              |          |  |          |
|       | 146                             |          |          |              |          | Γ        |              |          |  | П        |
|       | 147                             |          |          |              |          |          |              |          |  |          |
|       | 148                             |          |          |              |          |          |              |          |  |          |
|       | 149                             |          |          |              |          |          |              |          |  |          |
|       | 150                             | L        |          |              |          |          |              |          |  |          |
|       |                                 |          |          | _            | _        | _        | _            | _        | _  |          |